

WHAT IS CLAIMED IS:

1. A surgical implant comprising:
a spherical member having an axial throughbore.

2. A surgical implant according to claim 1 wherein
the surgical member is made of bioabsorbable material.

Sub A2
3. A surgical implant according to claim 1 wherein
said throughbore has a first predetermined diameter at one end
thereof and a second predetermined diameter at the other end
thereof, said first predetermined diameter being greater than
said second predetermined diameter.

4. A surgical implant according to claim 1 wherein
said spherical member has an external spherical surface and
wherein said surface is, adjacent each end of said throughbore,
recessed relative to the non-adjacent spherical surface.

Sub A1
5. A surgical implant according to claim 4 wherein
said recess comprises a rectangular surface symmetrically
situated about said throughbore, said rectangular surface
smoothly blending at two opposing ends into said spherical
surface and at the other two opposing ends into a surface

extending between said rectangular surface and said spherical surface.

Sub A³
6. A surgical implant according to claim 5 wherein said recess comprises a flat surface the plane of which is perpendicular to the axis of said throughbore.

7. A secondary surgical implant for use with a primary surgical implant in a bone tunnel having an axis, a first diameter, a proximal end and a distal end, said primary surgical implant engaging a ligament graft within said bone tunnel in alignment with said axis and occupying a predetermined amount of space such that the transverse cross-sectional area of the graft-occupied portion of said tunnel at a point adjacent said primary implant is less than that at a point adjacent the distal end of the tunnel, wherein said secondary implant has a predetermined size in a dimension transverse to said axis sufficient to fit within said bone tunnel distal end but insufficient to pass said primary implant.

8. A secondary implant according to claim 7 wherein said secondary implant extends into said bone tunnel a predetermined distance and is situated within said tunnel distally of said primary implant.

9. In a method for securing a ligament graft in a bone tunnel having a first predetermined transverse area to prevent longitudinal motion of said graft in said tunnel by constricting at least a portion of said ligament graft with a first device into a second predetermined transverse area within said tunnel, said second predetermined transverse area being smaller than said first predetermined transverse area, the improvement comprising the step of:

securing to one end of said ligament graft a second device, having a size greater than said second predetermined transverse area, prior to pulling said second device into said bone tunnel;

inserting said interference screw into said tunnel after said second device and ligament graft have been pulled into said tunnel.

10. A method according to claim 9 further comprising the step of inserting said interference screw until it contacts said second device.

11. A method of securing a ligament graft having a first end and a second end within a bone tunnel, said bone tunnel having a peripheral wall and having a first end and a second end, said first end of said ligament graft secured within said first end of said bone tunnel by a primary surgical implant interposed

between said first end of said ligament graft and said bone tunnel wall, said method comprising the steps of:

attaching to said first end of said ligament graft, distal of said primary surgical implant a secondary surgical implant.

12. A method according to claim 11 wherein said bone tunnel has a predetermined diameter and wherein said secondary surgical implant comprises in a plane transverse to said tunnel at least one dimension less than or equal to said predetermined diameter to enable said secondary surgical implant to be placed at said first end of said bone tunnel by passing said second end of said bone tunnel.

13. A method according to claim 11 wherein said primary surgical implant is an interference screw and wherein the diameter of said secondary surgical implant is greater than the distance between said interference screw and the wall of said bone tunnel opposite therefrom

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